Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 25/04/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-04-2022
Customer ID	:	Column Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	25/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column Concrete	M25	18/04/2022	25/04/2022	149.18 X 151.74 X 150.49	22635	8.909	537.9	23.8	22.9
2	Column Concrete	M25	18/04/2022	25/04/2022	151.47 X 150.75 X 150.34	22834	8.585	521.1	22.8	
3	Column Concrete	M25	18/04/2022	25/04/2022	150.81 X 151.46 X 149.48	22841	8.897	506.0	22.2	

* The results obtained are satisfactory as per standard requirements.

Note:
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Page 1/1
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/05/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-04-2022
Customer ID	:	Column Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column Concrete	M25	18/04/2022	16/05/2022	150.53 X 150.11 X 149.89	22595	8.116	629.2	27.8	27.6
2	Column Concrete	M25	18/04/2022	16/05/2022	151.22 X 149.06 X 149.56	22541	8.529	590.7	26.2	
3	Column Concrete	M25	18/04/2022	16/05/2022	150.59 X 149.27 X 151.23	22479	8.801	645.4	28.7	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-07-07-18** **Date: 15/04/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-04-2022
Customer ID	:	Plinth Beam
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Plinth Beam	M25	08/04/2022	15/04/2022	149.61 X 150.11 X 151.69	22457	8.613	535.3	23.8	22.8
2	Plinth Beam	M25	08/04/2022	15/04/2022	149.09 X 150.16 X 150.12	22387	8.998	500.6	22.4	
3	Plinth Beam	M25	08/04/2022	15/04/2022	150.25 X 150.28 X 151.49	22580	8.130	499.3	22.1	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 06/05/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-04-2022
Customer ID	:	Plinth Beam
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Beam	M25	08/04/2022	06/05/2022	150.11 X 150.56 X 150.78	22601	8.838	629.8	27.9	27.4
2	Plinth Beam	M25	08/04/2022	06/05/2022	149.73 X 150.17 X 149.84	22485	9.042	588.2	26.2	
3	Plinth Beam	M25	08/04/2022	06/05/2022	151.14 X 149.70 X 149.28	22626	8.779	638.5	28.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-07-07-18** **Date: 22/04/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-04-2022
Customer ID	:	Column
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column	M25	15/04/2022	22/04/2022	149.05 X 151.64 X 151.99	22602	8.436	534.4	23.6	22.8
2	Column	M25	15/04/2022	22/04/2022	150.05 X 149.34 X 150.53	22408	8.248	506.2	22.6	
3	Column	M25	15/04/2022	22/04/2022	151.12 X 150.05 X 150.83	22676	8.493	502.2	22.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-07-07-18** **Date: 13/05/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-04-2022
Customer ID	:	Column
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column	M25	15/04/2022	13/05/2022	150.96 X 150.80 X 149.38	22766	8.898	633.5	27.8	27.7
2	Column	M25	15/04/2022	13/05/2022	151.50 X 149.05 X 149.88	22581	8.627	597.6	26.5	
3	Column	M25	15/04/2022	13/05/2022	151.08 X 149.62 X 149.52	22604	8.587	649.2	28.7	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/04/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-04-2022
Customer ID	:	Pedestal
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	28/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Pedestal	M25	31/03/2022	28/04/2022	149.15 X 149.24 X 149.13	22259	8.802	611.2	27.5	27.5
2	Pedestal	M25	31/03/2022	28/04/2022	151.90 X 150.13 X 149.11	22804	8.644	611.0	26.8	
3	Pedestal	M25	31/03/2022	28/04/2022	150.51 X 149.19 X 150.69	22454	8.311	637.1	28.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 03/04/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-03-2022
Customer ID	:	Footing
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing	M25	26/03/2022	02/04/2022	151.83 X 150.49 X 150.93	22848	8.707	543.9	23.8	22.8
2	Footing	M25	26/03/2022	02/04/2022	150.71 X 149.17 X 149.45	22482	8.781	500.0	22.2	
3	Footing	M25	26/03/2022	02/04/2022	149.41 X 149.71 X 151.22	22368	9.098	500.8	22.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/04/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No 05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-03-2022
Customer ID	:	Footing
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing	M25	26/03/2022	23/04/2022	150.53 X 151.62 X 151.43	22823	8.372	629.5	27.6	27.5
2	Footing	M25	26/03/2022	23/04/2022	150.77 X 149.10 X 151.41	22479	8.295	601.0	26.7	
3	Footing	M25	26/03/2022	23/04/2022	151.04 X 149.41 X 149.94	22568	8.953	633.3	28.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/05/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-05-2022
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	24/05/2022	31/05/2022	150.24 X 150.09 X 151.64	22550	8.277	290.4	12.9	12.4
2	PCC	M15	24/05/2022	31/05/2022	150.35 X 150.36 X 149.73	22608	8.457	279.4	12.4	
3	PCC	M15	24/05/2022	31/05/2022	151.04 X 150.15 X 149.81	22679	8.810	273.2	12.0	

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ಬ ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

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R KARTHIK RECHAN
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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/05/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-05-2022
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	24/05/2022	31/05/2022	149.05 X 151.14 X 150.63	22527	8.499	280.4	12.4	12.4
2	PCC	M15	24/05/2022	31/05/2022	151.10 X 151.60 X 151.51	22906	8.107	280.0	12.2	
3	PCC	M15	24/05/2022	31/05/2022	149.90 X 150.66 X 150.62	22583	8.279	281.5	12.5	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/05/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-05-2022
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	PCC	M15	24/05/2022	31/05/2022	151.92 X 149.77 X 149.09	22754	8.382	282.3	12.4	12.6
2	PCC	M15	24/05/2022	31/05/2022	151.14 X 151.11 X 151.79	22839	9.084	295.7	12.9	
3	PCC	M15	24/05/2022	31/05/2022	149.36 X 151.22 X 150.07	22586	8.998	279.7	12.4	

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R KARTHIK-RECHAN
Authorized Signatory
Quality Manager

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2022-07-07-18**	**Date: 21-03-2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.	
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.	
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04	
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032	
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	19-03-2022	
Sample Type	:	Sunvik	
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.	
Date of test	:	20-03-2022	

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	16	1.581	572	674	19.0%	Satisfactory	Satisfactory
5	Sunvik	Fe500	20	2.476	584	693	19.0%	Satisfactory	Satisfactory

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/05/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-05-2022
Customer ID	:	Gents Urinal
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Gents Urinal	M20	03/05/2022	10/05/2022	149.62 X 149.29 X 149.51	22336	8.168	411.5	18.4	18.4
2	Gents Urinal	M20	03/05/2022	10/05/2022	151.66 X 149.39 X 151.77	22656	8.429	413.3	18.2	
3	Gents Urinal	M20	03/05/2022	10/05/2022	150.68 X 151.11 X 150.63	22770	8.769	425.3	18.7	

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Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/05/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-05-2022
Customer ID	:	Gents Urinal
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Gents Urinal	M20	03/05/2022	31/05/2022	149.82 X 151.95 X 149.45	22765	8.287	531.6	23.3	23.4
2	Gents Urinal	M20	03/05/2022	31/05/2022	151.61 X 150.74 X 151.53	22854	8.878	525.1	23.0	
3	Gents Urinal	M20	03/05/2022	31/05/2022	151.05 X 151.10 X 151.40	22824	8.990	547.1	24.0	

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/05/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-05-2022
Customer ID	:	Urinal Platform
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Urinal Platform	M20	30/04/2022	07/05/2022	150.30 X 149.03 X 150.72	22399	9.092	403.4	18.0	18.5
2	Urinal Platform	M20	30/04/2022	07/05/2022	150.91 X 149.59 X 150.23	22575	8.361	427.3	18.9	
3	Urinal Platform	M20	30/04/2022	07/05/2022	150.35 X 150.75 X 151.14	22665	8.356	419.1	18.5	

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-07-07-18 **Date: 29/04/2022**

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04

Agency : Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032

Customer's Reference : BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 25-04-2022

Customer ID : Coping Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5

Date of test : 29/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Coping Concrete	M20	22/04/2022	29/04/2022	149.09 X 151.87 X 150.27	22642	8.220	416.6	18.4	18.5
2	Coping Concrete	M20	22/04/2022	29/04/2022	151.43 X 151.66 X 149.60	22966	8.339	436.3	19.0	
3	Coping Concrete	M20	22/04/2022	29/04/2022	149.40 X 150.54 X 149.52	22491	8.470	407.4	18.1	

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-07-07-18 **Date: 08/06/2022**

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04

Agency : Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032

Customer's Reference : BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 03-06-2022

Customer ID : Flooring Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Flooring Concrete	M25	01/06/2022	08/06/2022	150.74 X 150.77 X 149.11	22727	8.343	534.3	23.5	23.0
2	Flooring Concrete	M25	01/06/2022	08/06/2022	151.38 X 150.41 X 151.30	22769	8.853	515.3	22.6	
3	Flooring Concrete	M25	01/06/2022	08/06/2022	151.71 X 149.25 X 151.08	22641	8.723	520.6	23.0	

* The results obtained are satisfactory as per standard requirements

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/06/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-05-2022
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	25/05/2022	01/06/2022	151.19 X 151.56 X 151.21	22914	8.545	276.0	12.0	12.3
2	PCC	M15	25/05/2022	01/06/2022	149.85 X 149.79 X 149.03	22446	8.290	277.3	12.4	
3	PCC	M15	25/05/2022	01/06/2022	151.62 X 150.36 X 150.62	22798	8.127	285.4	12.5	

* The results obtained are satisfactory as per standard requirements.

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-07-07-18** **Date: 22/06/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-05-2022
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	25/05/2022	22/06/2022	150.05 X 149.87 X 150.44	22487	8.792	382.7	17.0	17.2
2	PCC	M15	25/05/2022	22/06/2022	149.33 X 150.15 X 149.09	22422	9.003	386.8	17.2	
3	PCC	M15	25/05/2022	22/06/2022	149.98 X 149.99 X 149.09	22496	8.284	389.2	17.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 22/06/2022

Lab ID	:	CP-2022-07-07-18
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-05-2022
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	22/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	25/05/2022	22/06/2022	149.12 X 151.07 X 150.34	22527	8.112	405.0	18.0	17.6
2	PCC	M15	25/05/2022	22/06/2022	151.54 X 150.57 X 150.02	22818	8.895	398.6	17.5	
3	PCC	M15	25/05/2022	22/06/2022	149.22 X 150.62 X 150.71	22475	8.285	387.5	17.2	

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	**CP-2022-07-07-18** **Date: 15-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-04-2022
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	11-04-2022

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	403	202	200	16281	33.617	2064.8	2024.9	Not less than 1800Kg/m^3
2	404	199	200	16079	31.908	1984.4		
3	405	202	203	16607	33.641	2025.7		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

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Lab ID : CP-2022-07-07-18

Date: 15-04-2022

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	402	199	202	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	402	203	199	
3	399	200	200	
4	400	203	200	
5	400	201	203	
6	400	200	201	
7	403	200	199	
8	401	200	199	
9	403	199	201	
10	403	202	202	
11	401	200	199	
12	400	202	201	
13	399	199	202	
14	402	200	200	
15	404	202	202	
16	404	202	202	
17	402	202	199	
18	404	200	199	
19	400	200	201	
20	403	202	200	
Average of 20	402	201	201	

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Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	**CP-2022-07-07-18** **Date: 15-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-04-2022
Sample Type/Size	:	Solid concrete blocks size (400X100X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1 Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	11-04-2022

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	400	100	202	8080	16.403	2030.0	2116.9	Not less than 1800Kg/m^3
2	402	102	202	8283	17.837	2153.5		
3	404	102	199	8200	17.772	2167.2		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	18.91	17.99	4.89	4.25	Shall not be more than 10% by mass
2	19.57	18.74	4.28		
3	18.94	18.26	3.59		

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Format No: CP/TF/2017

TEST REPORT FOR PLASTER SAND

Date: 15-04-2022

Lab ID	:	**CP-2022-07-07-18**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-04-2022
Sample Type	:	Plaster Sand
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (RA 2019) (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	11-04-2022
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	35	35	3.5	96.5	95-100
3	2.36 mm	15	50	5	95	95-100
4	1.18 mm	50	100	10	90	90-100
5	600 micron	100	200	20	80	80-100
6	300 micron	215	415	41.5	58.5	20-65
7	150 micron	500	915	91.5	8.5	0-15
8	Pan	85	1000	100	0	---

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-07-07-18** **Date: 19/05/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04
Agency	:	Sri. Lokanatha Reddy N, No.05 First Floor, 7th B Cross, Kanakanagar, RT Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-14/WO/138/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-05-2022
Customer ID	:	Lady Passage
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Lady Passage	M20	12/05/2022	19/05/2022	149.29 X 149.26 X 149.28	22284	9.044	408.1	18.3	18.5
2	Lady Passage	M20	12/05/2022	19/05/2022	150.23 X 150.31 X 149.35	22581	8.788	425.6	18.8	
3	Lady Passage	M20	12/05/2022	19/05/2022	149.51 X 149.10 X 150.32	22292	8.191	407.7	18.3	

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QC ABSTRACT

NAME OF WORK: Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No. 04

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	Block(400*100*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
8	PCC(M15)	Compressive Strength(7days and 28days)	5 Sets		10	10
9	PCC(M25)	Compressive Strength(7days and 28days)	1 set		2	2
10	RCC(M25)	Compressive Strength(7days and 28days)	5 Sets		10	10
11	RCC(M20)	Compressive Strength(7days and 28days)	7 Sets		14	14
12	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
13	Plaster Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1

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